

ABSTRACT OF THE DISCLOSURE

A communication network control method for a communication network including a hub and a plurality of user nodes includes adjusting system parameters and feathering to reduce jitter and other effects given current conditions of the wireless channel, current loading of the network, and user constraints. In particular, the method includes transmitting a first and second frame with a burst time plan from the hub to each user node, and transmitting a first respective data burst from each of the user nodes to the hub according to the burst time plan. The time frame of the data burst from each user node arrives simultaneously at the hub. A position of each slot in the first data burst is allocated to be equally spaced along a time axis.

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